

1. A Slushy With Ice And Salt(冰沙奇鹽)



S1:早安，歡迎來到冰沙奇鹽，今天我們要做什麼呢？

Good morning! Welcome to "A Slushy with Ice and Salt". What are we going to do today?

S2:我們要用鹽巴和冰塊來做冰沙，你知道鹽巴的作用是什麼嗎？

We're going to use salt and ice to make ice slushy. Do you know what happens when you add salt to ice?

S3:現在請你先量一下冰塊的溫度(記下來)，接下來加點鹽巴，再用溫度計量一量溫度(記下來)，有什麼發現？

Here are three steps.

Step 1, measure the temperature of ice and write the temperature down.

Step 2, add some salt.

Step 3, measure the temperature again.

Now please measure the ice temperature and write them down. Then, add some salt. Last, use a thermometer to measure the temperature again. What do you find?



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S4:有沒有發現溫度下降了?現在,我們要用鹽巴會降溫的這個特性來做冰沙喔

Is there a difference in temperature before and after you add salt to ice? Is the temperature lowered?

Now, you are going to use this feature to make an ice slushy.

S5:1.首先，請你在小夾鏈袋中裝水(夾好)2.接著放入大夾鏈袋中，加上冰塊及鹽巴(夾好)3.用抹布包起來，搖一搖(2 分鐘)

First, pour some water into the smaller zipper bag and zip it up.

Second, put this smaller zipper bag into a bigger one, and add some ice cubes and salt inside the bigger zipper bag.

Last, use a rag to cover them and shake it for 2 minutes.

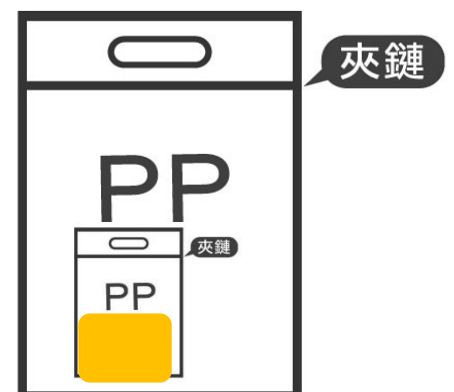
S6:你發現什麼?可以吃吃看。

How is your slushy? Try (Taste) some.



S7:今天你學會什麼?謝謝妳們的參加

What did you learn today? Thank you for coming!



2. Make Chocolate Popcorn(爆米花巧克力)

S1: 早安，歡迎來到爆米花巧克力

Good morning everyone, welcome to "Chocolate Popcorn".



S2: 食物受熱會有什麼變化? 今天我們要來製作爆米花巧克力
what happens when you heat the food?

Today we will make chocolate sauce and popcorn.

S3: 如何製做爆米花? 首先，放入奶油和玉米粒；接著加熱後等待

Here's how to make Popcorn?

First, put some butter and **Popcorn Kernels** in the pot.

Second, heat the pot and wait for a few minutes.



S4: 加熱時請注意安全，觀察玉米粒的變化；爆米花冷卻後會變回玉米粒嗎?

Be careful when you are heating. Look at the kernels. How does it change?

(How does the popcorn kernels change after being heated?)

Can we change a popped kernel back to an unpopped kernel?

S5: 再來，將巧克力隔水加熱

Third, put the chocolate into the glass and put the glass in hot water.

S6: 觀察巧克力的變化，冷卻後會變回原來的樣子嗎?

你可以嚐嚐看。

Look at the chocolate. How does it change? (How does the chocolate change after being heated?) (Can the liquid chocolate sauce become a chocolate bar again?)

Now, you can eat popcorns with chocolate sauce.

S7: 今天學到什麼?

What did you learn today? Thank you for coming!



3. Plaster Meno clip (石膏飾品)



s1: 早安，歡迎來到石膏飾品

Good morning! Welcome to plaster card case !

s2: 摸摸看石膏什麼感覺?它是一種礦物，我們今天介紹石膏在生活中的應用

Touch this! How does it feel? It's a mineral. We will introduce the application of the plaster in our life.

s3: 我知道石膏可以用來當醫療用品和製作模型，像石膏像

Plaster can be used for casts or sculptures.

s4: 對!我們今天就是要來做石膏名片夾!

Yes! We will make a plaster card case!

s5: 請先加入石膏粉，再加入水，持續攪拌，倒入果凍盒裡，接著將迴紋針摺成你喜歡的形狀，放入石膏中，要放直喔，等待它乾

Step 1. Add plaster powder and some water, and keep stirring.

Step 2. Pour the plaster into the jelly plastic box.

Step 3. Fold a paper clip into your favorite shape.

Step 4. Put the plaster inside the box.

Remember to put it straight and wait for it to dry.

s6: 桌上有水彩，用水彩畫上你喜歡的圖案

Here are some watercolors.

Use a watercolor brush to paint your favorite pattern.

s7: 真是簡單又好玩!你學到什麼?

It's easy and fun! What did you learn about plaster today?





4-1 Go magnetic fishing!

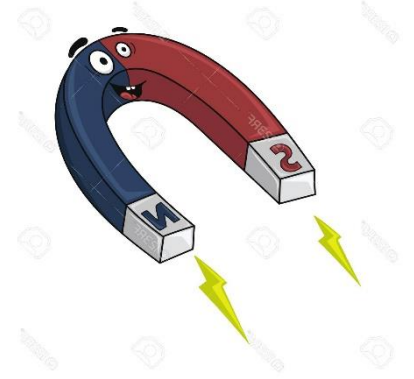
(磁鐵釣魚)

s1: 早安，歡迎來到磁鐵好好玩這個活動
Good morning! Welcome to Go magnetic fishing!

s2: 你知道磁鐵有什麼特性嗎?今天我們要利用磁鐵同極相斥、異極相吸的特性來做遊戲喔。

Do you know what magnets do?

Today we will use the "Like poles repel, unlike poles attract" feature to play a game.



s3: 首先每人先剪下 3 條魚，塗上顏色，中間放入一支迴紋針後黏好，就是一條可愛的迴紋針小魚。

First, everyone cut down three fish, and color them. Stick a paperclip in the middle on each fish. It becomes a cute paperclip fish.

s4: 有了小魚，還要有釣竿，用棉線將磁鐵綁好，再綁在免洗筷上即可完成囉!

Except for fish, we also need a fishing rod. Use a cotton thread to tie the magnet on the chopstick. Then, you have a fishing rod.

s5: 一起來玩釣魚遊戲，一分鐘，看誰釣的多! 說說看，你用什麼方法可以釣的多?

Let's play fishing! Who catches the most fish in one minute wins the game.

s6: 分成 2 組，一分鐘，看哪一組釣的多? 說說看，成功的方法是什麼?

We need 2 teams. Which team get the most fish in 1 minute?. Tell us how you fished the most? Share how you succeed

s7: 真是簡單又好玩!你學到什麼?

It's easy and fun! What did you learn?



4-2 Magnetic Maze (磁鐵迷宮)



s1：早安，歡迎來到磁鐵好好玩這個活動
Good morning! Welcome to Magnetic Maze!

s2：你知道磁鐵有什麼特性嗎?今天我們要利用磁鐵同極相斥、異極相吸的特性來做遊戲喔。
Do you know the features of magnets? Today we will use the “ Like poles repel, unlike pole attract” feature to play a game.
(What do magnets do? If you put N pole and S pole together, they attract. If you put N pole and N pole together, they repel.)

s3：現在我們要教大家一起來做有趣的磁鐵遊戲，先請小朋友在盤子上畫出迷宮，塗上顏色
Now, we’re going to teach everyone how to create an interesting magnetic game.
First, please draw a maze on a plate and color it.



s4：再用小磁鐵做出小車車，把小磁鐵黏在竹筷上，當作控制方向的棒子，就可以開始玩囉！

Then, use a magnet to make a car. Stick the magnet on chopsticks as the stick to control direction. When you’re ready, it’s time to play!

s5：一起來玩迷宮遊戲，看誰先到終點！說說看，你用什麼方法?

Let’s play the magnetic maze together and see who arrives at the finish point first! Please share your secret of success. (How did you let your car move faster with magnets?)

s6：分成 2 組，進行迷宮接力，看哪一組在最短時間內先到終點? 說說看，成功的方法是什麼?

We need two teams and have a relay race. Let’s see which team arrives at the finish point first.
Please share your secret of success. (How did you let your car move faster with magnets?)

s7：真是簡單又好玩!你學到什麼?

It’s easy and fun! What did you learn?

